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03. 25 Nov 04. MAGNETIC  
STRUCTURE COMPRISING  
POLYHYDROXYALKANOATE  
AND METHOD FOR  
PRODUCING THE SAME AND  
USE THEREOF. YANO,  
TETSUYA, et al. C08J003/12;  
A61K009/50 A61K009/58  
A61K047/02 A61K047/34  
A61K049/00 B01J013/04  
B01J013/06 B01J013/12  
C08F283/02 C08G063/06  
C08G063/688 C08G063/91  
C12P007/62 C12P017/00  
C12P017/02 C12N015/09 .

L7: Entry 1 of 1      File: Nov 25, 2004  
JPAB

PUB-NO: JP02004331750A  
DOCUMENT-IDENTIFIER: JP 2004331750 A  
TITLE: MAGNETIC STRUCTURE COMPRISING  
POLYHYDROXYALKANOATE AND METHOD FOR  
PRODUCING THE SAME AND USE THEREOF

PUBN-DATE: November 25, 2004

INVENTOR-INFORMATION:

NAME      COUNTRY

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NAME      COUNTRY

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APPL-NO: JP2003127503  
APPL-DATE: May 2, 2003

INT-CL (IPC): C08J 3/12; A61K 9/50;  
A61K 9/58; A61K 47/02; A61K 47/34;  
A61K 49/00; B01J 13/04; B01J 13/06;

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Terms	Documents
(triiron tetroxide or diiron trioxide or MnZn or Ferrite or NiZn ferrite or YFe or garnet or GaFe garnet or iron or manganese or cobalt or nickel or chromium or magnetic or iron or ferric oxide or magnetic or magnet or magnet\$) adj25	1

(PHA or  
polyhydroxyalkanoate  
\$) adj25 (shell or  
encapsulation or  
encapsulated)

B01J 13/12; C08F 283/02; C08G 63/06;  
C08G 63/688; C08G 63/91; C12P 7/62;  
C12P 17/00; C12P 17/02; C12N 15/09

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a structure which comprises an outer phase portion including an inner phase portion and contains a magnetic material, such as a microcapsule capable of being suitably used for forming an active ingredient for a sustained release drug or an ultrasonic contrast medium.

SOLUTION: This structure comprising a polyhydroxyalkanoate and a magnetic material is characterized by having an outer phase portion comprising the polyhydroxyalkanoate and an inner phase portion encapsulated in the outer phase portion, wherein the magnetic material is contained in at least one of the outer phase portion and the inner phase portion.

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